

- layer implemented between the color filter layer and a light emissive element layer of the display panel;
- determining, using the design system, whether implementing the display panel using the baseline panel implementation parameters is expected to result in color shift greater than a color shift threshold; and
- in response to determining that the baseline panel implementation parameters are expected to result in color shift greater than the color shift threshold, determining, using the design system, adjusted panel implementation parameters to be used to implement the display panel, wherein the adjusted panel implementation parameters comprise a first adjusted thickness of the color filter layer that is thinner than the first baseline thickness, a second adjusted thickness of the encapsulation layer that is thinner than the second baseline thickness, or both.
- 12.** The method of claim **11**, wherein:
- the baseline panel implementation parameters comprise a baseline footprint of color filter cells in the color filter layer of the display panel; and
- the adjusted panel implementation parameters comprise one or more adjusted footprints of the color filter cells in the color filter layer that differ from the baseline footprint of the color filter cells.
- 13.** The method of claim **12**, wherein the adjusted panel implementation parameters comprise:
- a first adjusted footprint of a first color filter cell that is increased from the baseline footprint by a first amount; and
 - a second adjusted footprint of a second color filter cell that is increased from the baseline footprint by a second amount different from the first amount.
- 14.** The method of claim **12**, wherein a first adjusted footprint of a first color filter cell in the color filter layer and a second adjusted footprint of a second color filter cell in the color filter layer differ from the baseline footprint by a same amount.
- 15.** The method of claim **11**, wherein:
- the first adjusted thickness of the color filter layer is half the first baseline thickness;

the second adjusted thickness of the encapsulation layer is half the second baseline thickness; or

both.

16. The method of claim **11**, wherein the adjusted panel implementation parameters comprise the first adjusted thickness of the color filter layer and the second adjusted thickness of the encapsulation layer.

17. The method of claim **11**, comprising maintaining the baseline panel implementation parameters in response to determining that the baseline panel implementation parameters are not expected to result in color shift greater than the color shift threshold.

18. A display panel of an electronic device, comprising:

- an organic light-emitting diode layer;
- an encapsulation layer disposed over the organic light-emitting diode layer; and
- a color filter layer disposed over the encapsulation layer, wherein the color filter layer overhangs the organic light-emitting diode layer and comprises a first color filter cell of a first color component sub-pixel that at least partially overlaps an organic light-emitting diode of a second color component sub-pixel that is a different color compared to the first color component sub-pixel.

19. The display panel of claim **18**, wherein the color filter layer comprises a plurality of color filter cells each having a same footprint.

20. The display panel of claim **18**, wherein the color filter layer comprises a second color filter cell of the second color component sub-pixel that at least partially overlaps another organic light-emitting diode of a third color component sub-pixel, wherein:

- the third color component sub-pixel is located farther from a center of the display panel than the second color component sub-pixel;

- the second color component sub-pixel is located farther from the center of the display panel than the first color component sub-pixel; and

- the second color filter cell of the second color component sub-pixel overlaps with the other organic light-emitting diode of the third color component sub-pixel more than the first color filter cell of the first color component sub-pixel overlaps with the organic light-emitting diode of the second color component sub-pixel.

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